

AMENDMENTS TO THE CLAIMS

Please amend the claims as indicated hereafter.

1-37. (Cancelled)

38. (Previously Presented) A method in a video decoding system for adapting to resource constraints, said method comprising steps of:

determining whether a resource-constrained mode is to be initiated;
responsive to determining that the resource-constrained mode is to be initiated, initiating the resource-constrained mode, including foregoing decoding of portions of received video input;
retrieving a first set of video data from a memory component, wherein the memory component stores compressed video data and decompressed video data, wherein the first set of video data corresponds to a first video picture;
scaling the first set of video data into a second set of video data corresponding to a second video picture that is smaller than the first video picture;
transmitting the second set of video data to a display device, wherein the second set of video data is not stored in the memory component prior to being transmitted; and
transmitting graphics data to the display device, wherein the graphics data is displayed contemporaneously with the second set of video data.

39. (Previously Presented) The method of claim 38, wherein the memory component is coupled to a video decoder.

40-50. (Cancelled)

51. (Previously Presented) A video decoding system for adapting to resource constraints, said system configured to:

- determine whether a resource-constrained mode is to be initiated;
- responsive to determining that the resource-constrained mode is to be initiated, initiate the resource constrained mode, including foregoing decoding of portions of received video input;
- retrieve a first set of video data from a memory component, wherein the memory component stores compressed video data and decompressed video data, wherein the first set of video data corresponds to a first video picture;
- scale the first set of video data into a second set of video data corresponding to a second video picture that is smaller than the first video picture;
- transmit the second set of video data to a display device, wherein the second set of video data is not stored in the memory component prior to being transmitted; and
- transmit graphics data to the display device, wherein the graphics data is displayed contemporaneously with the second set of video data.

52. (Previously Presented) The system of claim 50, wherein the memory component is coupled to a video decoder.

53. (Previously Presented) A method in a video decoding system for adapting to resource constraints, said method comprising steps of:

- determining whether a resource-constrained mode is to be initiated;

responsive to determining that the resource-constrained mode is to be initiated, initiating the resource-constrained mode, including foregoing decoding of a first set of compressed pictures, each of the first set of pictures being at a first spatial resolution;

retrieving, from a memory component, a second set of compressed pictures;

storing, in the memory component, a third set of decoded pictures corresponding to the second set of compressed pictures, each of the third set of pictures being at the first spatial resolution;

retrieving, from the memory component, the third set of pictures;

scaling the third set of pictures into a fourth set of pictures at a second spatial resolution smaller than the first spatial resolution;

transmitting the fourth set of pictures to a display device, wherein the fourth set of pictures is not stored in the memory component prior to being transmitted; and

transmitting graphics data to the display device, wherein the graphics data is displayed contemporaneously with the fourth set of pictures.

54. (Previously Presented) A video decoding system for adapting to resource constraints, the system configured to:

determine whether a resource-constrained mode is to be initiated;

responsive to determining that the resource-constrained mode is to be initiated, initiate the resource-constrained mode, including foregoing decoding of a first set of pictures, each of the first set of pictures being at a first spatial resolution;

retrieve, from a memory component, a second set of compressed pictures;

store, in the memory component, a third set of decoded pictures corresponding to the second set of compressed pictures, each of the third set of pictures being at the first spatial resolution;

retrieve, from the memory component, the third set of pictures;

scale the third set of pictures into a fourth set of pictures at a second spatial resolution smaller than the first spatial resolution;

transmit the fourth set of pictures to a display device, wherein the the fourth set of pictures is not stored in the memory component prior to being transmitted; and

transmit graphics data to the display device, wherein the graphics data is displayed contemporaneously with the fourth set of pictures._

55. (Previously Presented) A method in a video decoding system for adapting to resource constraints, said method comprising steps of:

receiving, in a memory component, video data including a first set of video data and a second set of video data, the first set comprising a first complete picture and the second set comprising a second complete picture;

determining whether a resource-constrained mode is to be initiated;

responsive to determining that the resource-constrained mode is to be initiated, initiating the resource-constrained mode, including foregoing decoding of the second set of video data;

retrieving the first set of video data from the memory component;

scaling the first set of video data into a third set of video data corresponding to a third video picture that is smaller than the first video picture;

transmitting the third set of video data to a display device, wherein the third set of video data is not stored in the memory component prior to being transmitted; and

transmitting graphics data to the display device, wherein the graphics data is displayed contemporaneously with the third set of video data.

56. (Previously Presented) The method of claim 55, wherein foregoing decoding of the second set of video data further comprises:

foregoing decoding all the pictures in the second set of video data corresponding to a first type of picture.

57. (Previously Presented) The method of claim 56, wherein foregoing decoding of the second set of video data further comprises:

foregoing decoding all the pictures in the second set of video data corresponding to a second type of picture different than the first type.

58. (Previously Presented) A video decoding system for adapting to resource constraints, the system configured to:

receive, in a memory component, video data including a first set of video data and a second set of video data, the first set comprising a first complete picture and the second set comprising a second complete picture;

determine whether a resource-constrained mode is to be initiated;

responsive to determining that the resource-constrained mode is to be initiated, initiate the resource-constrained mode, including foregoing decoding of the second set of video data;

retrieve the first set of video data from the memory component;

scale the first set of video data into a third set of video data corresponding to a third video picture that is smaller than the first video picture;

transmit the third set of video data to a display device, wherein the third set of video data is not stored in the memory component prior to being transmitted; and

transmit graphics data to the display device, wherein the graphics data is displayed contemporaneously with the third set of video data.

59. (Previously Presented) The system of claim 58, wherein foregoing decoding of the second set of video data further comprises:

foregoing decoding all the pictures in the second set of the video data corresponding to a first type of picture.

60. (Previously Presented) The system of claim 59, wherein foregoing decoding of the second set of video data further comprises:

foregoing decoding all the pictures in the second corresponding of video data corresponding to a second type of picture different than the first type.